

NEVADA

Agricultural Statistics
1988-89

NEVADA COUNTIES AND CROP REPORTING DISTRICTS

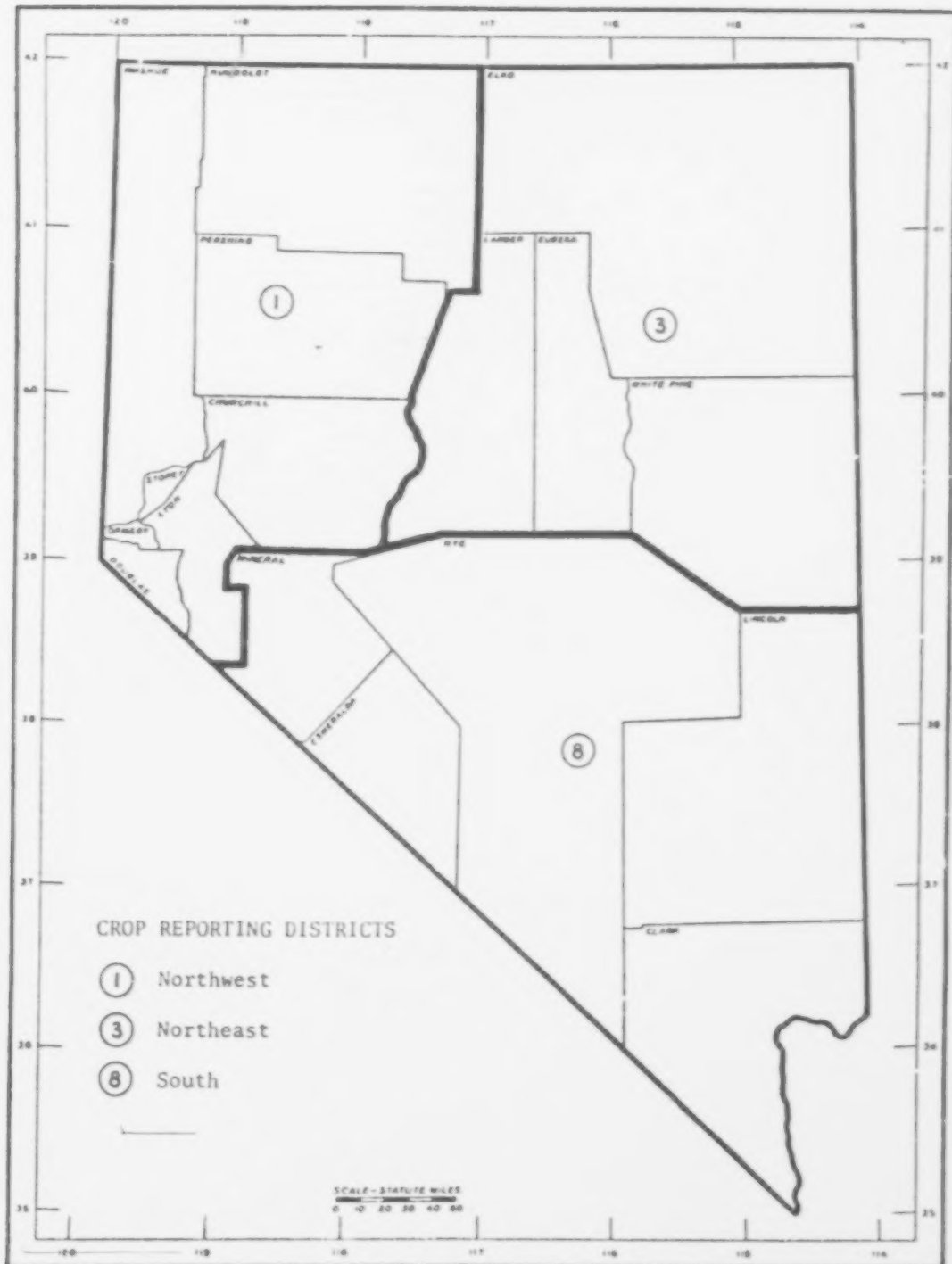


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UNR Ag Information Office

Nevada Agricultural Statistics

1989

Nevada Department of Agriculture

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BOB MILLER
Acting Governor

To the People of Nevada:

The information in the following pages provides a statistical profile of the agricultural industry in Nevada. The business of agriculture has become increasingly competitive and the need for accurate and timely information on which to base sound business decisions becomes crucial.

Farmers and ranchers in Nevada have always demonstrated the business skill required to survive and prosper through drought, harsh climate and changing market conditions. The agricultural statistics presented within this bulletin provide essential information for making informed decisions. I am certain this publication will prove useful when making decisions that will ultimately determine the success of an agricultural business.

Sincerely,

A handwritten signature of Bob Miller in cursive script.

BOB MILLER
Governor

BM/mjj



UNIVERSITY OF NEVADA-RENO

Bernard M. Jones
Dean and Director

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To Friends of Nevada Agriculture:

I am pleased to present the 1989 edition of Nevada Agricultural Statistics. Agriculture is an extremely important part of our State's economy. Good information on agriculture is very important in making production decisions.

Agriculture is constantly becoming more complex with changing economic and climatic conditions. Agricultural products are subject to a world-wide economy which requires more detailed information. The data in this publication on crops, livestock, farm income, prices and weather is designed to assist those making agriculture decisions.

We are happy to cooperate with the Nevada State Department of Agriculture and the Nevada Agricultural Statistics Service in the presentation of this report. The cooperation of Nevada ranchers and farmers who voluntarily provided the basic data is greatly appreciated.

Sincerely,

Bernard M. Jones

Bernard M. Jones
Dean and Director



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FOREWORD

The 1988-89 bulletin continues a service dating back to 1968 and is one of the most requested and used within and outside the state. The information in this bulletin provides a comprehensive record of crop and livestock production and value, and a host of related statistics about Nevada agriculture that should be of interest to a wide variety of data users. As production, processing and distribution of food products becomes more and more complex, accurate statistics become an increasingly important decision-making tool to all those in the food and agricultural complex.

The information in this bulletin comes from the best source—the farmers, ranchers and agri-businesses in Nevada. We appreciate the high level of cooperation we receive from them in answering our survey questionnaires.

We also want to thank our dedicated field and telephone interviewers and office staff who collect and summarize this information. A special thanks to Marj McClung who had overall responsibility for the bulletin layout.

C. R. "Bud" Lies
State Statistician

Cooperating with

University of Nevada-Reno
College of Agriculture

State of Nevada
Department of Agriculture

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NEVADA FACTS & FIGURES

NEVADA POPULATION

Total, 1980 Census: 800,493

Farm: 5,539

People per Farm/Ranch: 2.3

NEVADA LAND & UTILIZATION

Total Land Area: 109,894 Square Miles

OR 70.3 Mil. Acres

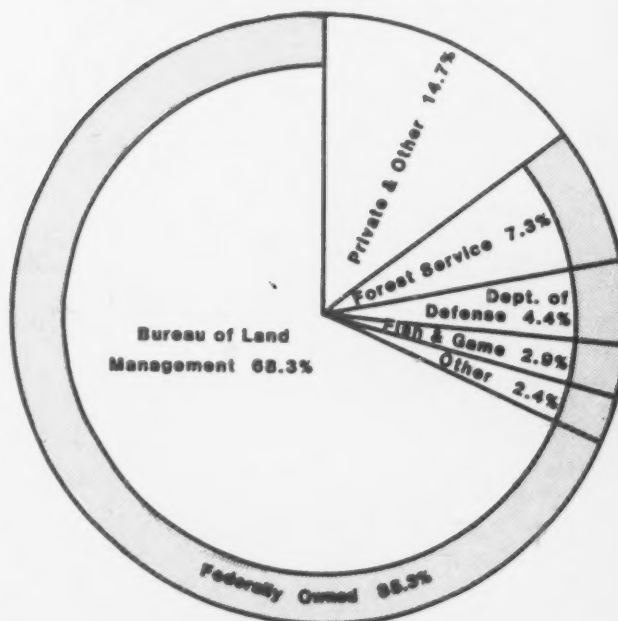
People Per
Square Mile: 7.3

All Land in Farms
& Ranches: 8,900,000 Acres 1/

Proportion of Land
in Farms & Ranches: 14 Percent
1/ 1989 preliminary.

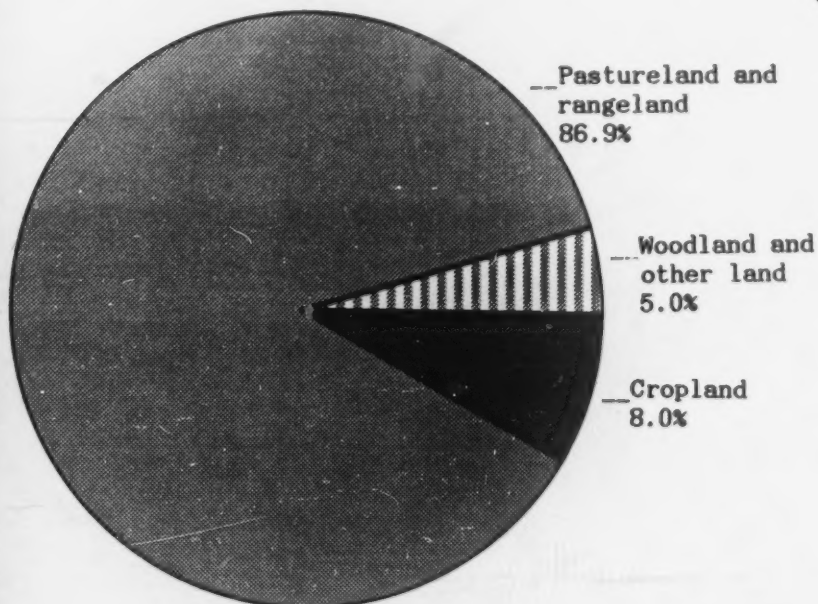
NEVADA LAND AREA

ownership as a percentage of total



Source: BLM "Public Land Statistics 1984".

LAND IN FARMS & RANCHES
utilization as a percent of total 1/



Other cropland--cover,
crops failed,
and summer fallow

2.3%

Cropland idle/
6.2%

Cropland pastured
26.0%

Cropland harvested
65.5%

1/ 1987 U.S. Census of Agriculture.

NUMBER OF FARMS AND LAND IN FARMS AND RANCHES, 1977-89, 1/

Year	Nevada			United States		
	Number of Farms	Average Size of Farms	All Land in Farms	Number of Farms	Average Size of Farms	All Land in Farms
		Acres	Thousand Acres		Acres	Thousand Acres
				Thousands		
1977. . .	2,600	3,458	8,990	2,456	427	1,047,785
1978. . .	2,900	3,100	8,990	2,436	429	1,044,790
1979. . .	2,900	3,100	8,990	2,437	428	1,042,015
1980. . .	2,900	3,100	8,990	2,440	426	1,038,885
1981. . .	3,100	2,871	8,900	2,440	424	1,034,190
1982. . .	2,900	3,069	8,900	2,407	427	1,027,795
1983. . .	2,800	3,179	8,900	2,379	430	1,023,425
1984. . .	2,800	3,179	8,900	2,334	436	1,017,803
1985. . .	2,700	3,296	8,900	2,293	441	1,012,073
1986. . .	2,700	3,296	8,900	2,250	447	1,005,333
1987. . .	2,600	3,423	8,900	2,213	451	998,923
1988. . .	2,600	3,423	8,900	2,197	453	994,543
1989 2/ .	2,500	3,560	8,900	2,173	459	991,473

1/ Farm is defined as a place with annual sales of agricultural products of \$1,000 or more. 2/ Preliminary.



NUMBER OF LIVESTOCK FARMS, 1977-88

Year	Nevada				United States			
	Cattle	Milk Cows	Sheep	Hogs	Cattle	Milk Cows	Sheep	Hogs
		Number				Thousands		
1977. . .	1,700	400	280	250	1,771.9	393.5	117.5	647.0
1978. . .	1,800	400	280	300	1,699.0	369.2	115.7	635.3
1979. . .	1,800	400	290	250	1,638.5	350.0	116.1	653.6
1980. . .	1,700	400	300	220	1,622.5	335.8	119.9	670.4
1981. . .	1,700	400	320	220	1,621.6	322.9	125.6	580.1
1982. . .	1,700	400	320	210	1,611.0	312.1	128.1	482.2
1983. . .	1,700	400	300	200	1,584.5	299.1	126.4	462.1
1984. . .	1,700	400	270	200	1,543.5	284.7	123.5	429.6
1985. . .	1,700	400	270	180	1,493.9	271.9	117.4	391.0
1986. . .	1,700	400	300	180	1,449.7	253.9	114.8	348.0
1987. . .	1,700	400	300	180	1,408.1	232.4	114.8	331.6
1988. . .	1,700	400	300	180	1,370.6	220.9	115.5	333.5

CASH RECEIPTS FROM FARM MARKETINGS BY COMMODITIES, NEVADA, 1986-88

Item	1986		1987		1988 1/	
	Thousand Dollars	% of Total	Thousand Dollars	% of Total	Thousand Dollars	% of Total
Cattle & Calves.	119,670	52.3	125,088	53.8	112,522	48.9
Dairy Products	32,818	14.3	30,375	13.1	31,072	13.5
Sheep & Lambs (Including Wool) . .	3,850	1.7	5,260	2.3	4,244	1.9
All Other Livestock & Products . .	2,445	1.1	2,999	1.3	2,620	1.1
Total Livestock & Products:	158,783	69.4	163,722	70.5	150,458	65.4
All Hay.	43,281	18.9	38,232	16.5	47,832	21.0
Alfalfa Seed	6,028	2.6	7,264	3.1	7,585	3.2
Potatoes	8,334	3.7	10,725	4.6	8,109	3.5
Food & Feed Grains	7,156	3.1	7,451	3.2	8,696	3.7
Vegetables	4,969	2.2	4,701	2.0	7,153	3.1
All Other Crops.	218	.1	216	.1	240	.1
Total Crops:	69,986	30.6	68,589	29.5	79,615	34.6
Total All Commodities	228,769	100.0	232,311	100.0	230,073	100.0

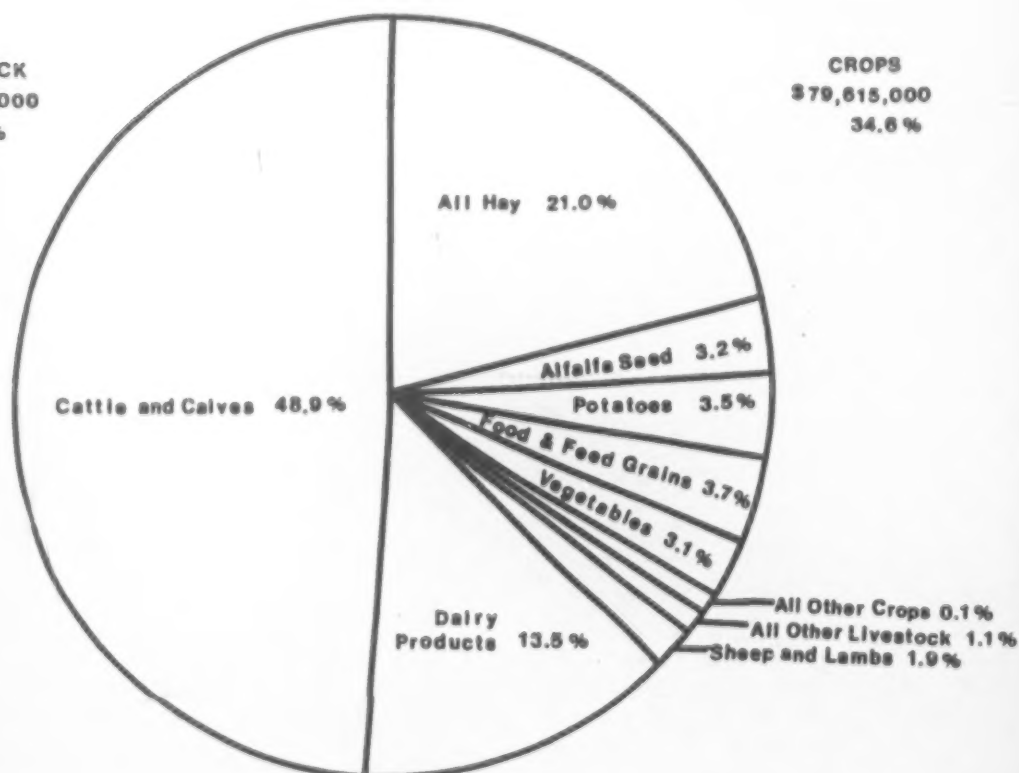
1/ Preliminary.

CASH RECEIPTS FROM FARM MARKETING OF COMMODITIES

1988

LIVESTOCK
\$150,458,000
65.4%

CROPS
\$79,615,000
34.6%



GROSS AND NET INCOME FROM FARMING: NEVADA 1984-1988 1/

Item	1984	1985	1986	1987	1988
	- - - Million Dollars - - -				
GROSS FARM INCOME 2/	278.5	252.5	238.3	244.4	256.3
Cash income.	257.6	231.5	234.2	238.5	238.6
Farm marketing	251.2	225.1	228.8	232.3	230.1
Crops.	78.8	81.2	70.0	68.6	79.6
Livestock & products	172.4	143.9	158.8	163.7	150.5
Government payments.	4.5	3.9	3.5	3.9	6.3
Other farm related income 3/	2.0	2.5	2.0	2.3	2.2
Noncash income	30.0	28.6	25.3	27.1	25.8
Value of home consumption.	3.2	3.0	3.1	3.4	3.9
Rental value of dwellings.	26.8	25.6	22.1	23.7	21.9
Value of inventory adjustment.	-9.2	-7.6	-21.1	-21.2	-8.2
TOTAL PRODUCTION EXPENSES 2/	251.1	238.3	217.5	207.6	215.7
Intermediate product expenses.	136.3	126.5	111.5	107.2	115.4
Farm origin.	52.3	43.4	35.0	34.5	41.7
Feed purchased	34.6	29.0	26.3	25.9	33.0
Livestock & poultry purchased.	13.7	10.5	5.2	5.0	5.0
Seed purchased	4.0	3.9	3.5	3.5	3.7
Manufactured inputs.	30.5	30.9	24.2	28.4	26.0
Fertilizer & lime.	5.4	6.8	4.7	7.8	4.4
Pesticides	3.1	3.3	2.9	3.0	3.1
Fuel & oil	13.7	12.6	9.2	8.5	8.7
Electricity.	8.3	8.2	7.4	9.1	9.8
Other.	53.5	52.2	52.3	44.3	47.7
Repairs & maintenance.	10.3	10.5	11.1	10.6	11.1
Other miscellaneous 4/	43.2	41.7	41.2	33.7	36.6
Interest	39.6	39.6	36.4	34.8	31.4
Real estate.	27.8	27.4	25.4	24.8	22.0
Nonreal estate	11.8	12.1	11.0	10.0	9.5
Contract & hired labor 5/.	21.9	22.1	22.2	24.3	25.1
Net rent for nonoperator landlord.	5.4	4.9	3.8	3.5	5.2
Capital consumption.	44.3	41.8	40.0	34.5	35.3
Property taxes	3.6	3.5	3.5	3.3	3.2
NET FARM INCOME.	27.4	14.2	20.9	36.9	40.6

Source: Economic Indicators of the Farm Sector, State Financial Summary, USDA-ERS.

1/ Details may not add to total because of rounding.

2/ Includes operator dwellings.

3/ Includes forest product sales, recreational income, and other farm business related income.

4/ Includes machine hire and customwork expenses; marketing, storage and transportation expenses; and miscellaneous expenses.

5/ Includes contract labor expenses, hired labor wages and social security payments.

CASH RECEIPTS FROM SALE OF PRINCIPLE PRODUCTS AND GOVERNMENT PAYMENTS

County and District	Livestock and Livestock Products	Crops	Total Receipts from Marketing	Government Payments	All Cash Receipts
- - - Thousand Dollars - - -					
1986 1/					
Churchill. . .	29,041	8,114	37,155	274	37,429
Douglas. . .	9,251	1,168	10,419	91	10,510
Humboldt. . .	12,170	19,212	31,382	915	32,297
Lyon.	15,247	16,840	32,087	383	32,470
Carson City. .	418	24	442	60	502
Pershing. . .	15,801	14,826	30,627	508	31,135
Storey 3/. . .	---	---	---	---	---
Washoe. . . .	6,609	3,138	9,747	224	9,971
District 1:	88,537	63,322	151,859	2,455	154,314
Elko.	35,471	2,082	37,553	301	37,854
Eureka. . . .	5,644	4,517	10,161	154	10,315
Lander. . . .	6,339	1,337	7,676	142	7,818
White Pine. . .	7,333	1,448	8,781	257	9,038
District 3:	54,787	9,384	64,171	854	65,025
Clark.	15,537	915	16,452	2/	16,490
Esmeralda. . .	3,328	2,500	5,828	2/	5,834
Lincoln. . . .	3,842	1,120	4,962	2/	5,007
Mineral. . . .	1,106	188	1,294	2/	1,300
Nye.	3,699	1,815	5,514	2/	5,562
District 8:	27,512	6,538	34,050	143	34,193
State	170,836	79,244	250,080	3,452	253,532
- - - Thousand Dollars - - -					
1987 1/					
Churchill. . .	28,027	7,080	35,107	378	35,485
Douglas. . . .	9,857	1,040	10,897	2/	10,935
Humboldt. . .	13,037	21,250	34,287	1,057	35,344
Lyon.	15,568	16,290	31,858	304	32,162
Carson City. .	495	22	517	2/	564
Pershing. . . .	17,022	13,256	30,278	335	30,613
Storey 3/. . .	---	---	---	---	---
Washoe. . . .	6,962	2,688	9,650	513	10,163
District 1:	90,968	61,626	152,594	2,672	155,266
Elko.	39,080	1,845	40,925	474	41,399
Eureka. . . .	5,553	4,054	9,607	191	9,798
Lander. . . .	6,812	1,178	7,990	166	8,156
White Pine. . .	7,926	1,273	9,199	255	9,454
District 3:	59,371	8,350	67,721	1,086	68,807
Clark.	16,443	786	17,229	2/	17,278
Esmeralda. . .	3,833	2,218	6,051	2/	6,064
Lincoln. . . .	4,208	1,027	5,235	2/	5,265
Mineral. . . .	1,283	166	1,449	2/	1,457
Nye.	4,108	1,614	5,722	2/	5,751
District 8:	29,875	5,811	35,686	129	35,815
State	180,214	75,787	256,001	3,887	259,888

1/ Includes estimates of inter-farm and intra-state sales resulting in larger total cash receipts than shown in USDA estimate on previous pages.

2/ Less than \$50,000. 3/ Not included.

Source: Bureau of Economic Analysis, U.S. Department of Commerce, Washington, D.C.

PRICES RECEIVED FOR SPECIFIED PRODUCTS: BY MONTHS, NEVADA, 1985-88

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Beef Cattle												
(Dollars Per Cwt)												
1985	45.20	49.60	47.50	46.70	47.30	44.50	41.00	40.80	41.50	42.00	42.40	42.80
1986	44.00	46.00	44.30	41.30	40.40	39.70	41.90	43.10	47.00	48.60	46.00	48.80
1987	48.40	52.80	53.40	53.80	53.20	55.30	55.60	57.20	60.10	54.60	56.10	58.40
1988	61.30	62.80	61.80	63.60	64.00	64.70	65.40	65.50	64.40	56.40	56.00	56.00
Steers and Heifers												
1985	52.30	56.60	53.70	53.60	54.90	51.00	46.20	45.80	47.10	49.40	50.50	50.40
1986	51.60	51.20	50.30	48.00	45.40	42.00	47.80	47.80	54.00	55.30	52.70	55.60
1987	54.20	60.20	60.60	60.20	60.20	62.80	63.30	66.10	68.30	61.90	63.80	66.50
1988	69.60	71.30	69.40	72.00	73.40	74.10	74.70	74.40	73.90	62.50	62.30	62.10
Cows												
1985	34.60	39.10	38.10	36.40	36.00	34.80	33.10	33.20	33.00	30.90	30.20	31.40
1986	29.80	36.40	33.10	28.80	31.10	35.30	31.00	34.40	34.10	36.20	33.40	36.10
1987	37.60	39.10	40.10	41.80	40.30	41.30	41.40	40.60	44.90	40.90	41.90	43.30
1988	41.80	43.10	43.90	44.00	42.10	42.90	43.70	44.80	42.20	42.10	41.10	41.60
Calves												
1985	56.80	58.70	61.00	68.30	64.60	61.40	54.20	56.30	60.90	56.40	57.60	56.20
1986	49.40	60.60	57.90	59.70	50.90	51.10	50.20	51.00	62.30	63.50	58.20	66.50
1987	67.30	72.90	72.80	75.50	71.50	75.10	74.90	74.60	75.80	75.60	78.90	79.40
1988	83.30	84.60	85.80	85.50	85.90	85.50	83.50	84.10	80.70	87.50	87.50	84.80
Sheep												
1985	17.50	18.30	15.00	14.60	14.50	14.50	16.80	16.80	15.90	14.10	19.30	18.30
1986	22.50	16.80	18.10	19.10	16.40	21.30	20.80	22.70	27.10	26.00	26.10	22.30
1987	21.70	27.50	27.60	22.10	25.00	29.90	21.50	27.70	23.90	23.90	30.20	26.20
1988	25.10	28.40	26.40	20.60	20.00	20.70	21.50	23.70	18.60	18.90	19.00	16.50
Lambs												
1985	50.70	48.00	47.70	59.00	57.90	63.90	58.50	62.20	57.40	57.50	55.60	57.40
1986	55.30	47.10	53.20	48.70	67.10	66.40	64.40	59.00	57.00	53.10	64.20	68.60
1987	63.00	66.30	71.00	66.40	77.10	81.30	78.30	73.80	65.50	65.10	60.60	57.80
1988	60.90	67.00	58.90	70.30	76.10	59.30	60.70	54.00	54.20	53.00	51.30	50.10
Alfalfa Hay												
(Dollars Per Ton)												
1985	85.00	87.00	90.00	90.00	95.00	85.00	80.00	82.00	82.00	84.00	86.00	86.00
1986	90.00	90.00	90.00	90.00	80.00	80.00	82.00	82.00	78.00	78.00	80.00	81.00
1987	83.00	81.00	78.00	74.00	74.00	82.00	82.00	82.00	82.00	85.00	87.00	85.00
1988	85.00	85.00	85.00	85.00	95.00	95.00	100.00	100.00	100.00	100.00	100.00	100.00
Other Hay												
1985	65.00	67.00	70.00	70.00	75.00	65.00	60.00	62.00	62.00	64.00	66.00	66.00
1986	70.00	70.00	70.00	70.00	60.00	60.00	62.00	62.00	58.00	58.00	58.00	60.00
1987	65.00	60.00	55.00	53.00	53.00	60.00	60.00	60.00	60.00	63.00	65.00	63.00
1988	65.00	65.00	65.00	65.00	75.00	75.00	80.00	80.00	80.00	80.00	80.00	80.00
All Hay												
1985	79.00	81.00	84.00	84.00	89.00	79.00	74.00	76.00	76.00	78.00	80.00	80.00
1986	84.00	84.00	84.00	84.00	74.00	74.00	76.00	76.00	72.00	72.00	73.00	75.00
1987	78.00	75.00	71.00	68.00	68.00	75.00	75.00	75.00	75.00	78.00	80.00	78.00
1988	79.00	79.00	79.00	79.00	89.00	89.00	94.00	94.00	94.00	94.00	94.00	94.00

WEATHER SUMMARY, 1987-88

GENERAL: Precipitation for the water year October 1, 1987 through September 30, 1988 totaled 8.43 inches--more than 4 percent below normal but less than an inch higher than a year earlier. Fall started dry and warm with typical Indian Summer type weather in October that extended well into November. Pleasant fall weather ended relatively late as the first hard freezes didn't occur until late in November. First significant snowstorms of the season didn't occur until about mid-January. January started cold and ended cold with below normal precipitation. February had one short cold spell, but the month was mostly mild with negligible precipitation. March came in like a lion and went out like a lamb. April was mild but May weather was extremely variable, ending with a cold storm and freezing temperatures. Temperatures during the summer season set new records for consecutive days with highs of 100 degrees or above. First snow of the season fell late in September but didn't last very long. Temperatures during the 1987-88 year averaged 51.2 degrees--about normal. July returned as the hottest month of the summer season with an average of 75.4 degrees.

FALL 1987: October was mostly dry and warm. Temperatures were well above normal including some record highs during the first half of the month. Near midmonth, a few low pressure systems generated showers in southern, northwestern, and northeastern areas. Light snow accumulated above the 8,500 foot level. Scattered, light showers continued throughout the remainder of October. Light frosts occurred during October, but no vegetative-killing low temperatures were recorded. November started like October ended, with scattered light showers in most areas. Widespread showers were heavier midmonth with some flooding reported. Pacific storms continued to produce precipitation after midmonth, but temperatures dropped sharply in all areas. Parts of the south had the first hard freeze of the season. November ended mostly dry and cold.

WINTER 1987-1988: December started with a warming trend and light, scattered showers but changed quickly when cold arctic air dropped temperatures well below normal. Blustery north winds accompanying the storm produced isolated snow showers. Due to a southerly dip of the jetstream, cold air masses remained over Nevada the remainder of December. January started with cold air masses and snow flurries were common in all areas. This weather pattern was changed by moist, tropical air that brought mostly cloudy conditions. Rain and/or snow was common midmonth. The remainder of the month was mostly dry with temperatures ranging from slightly below normal to well below normal. February started with temperatures near normal. Precipitation ranged from light in the north to none in the south. Colder, dry air moved into Nevada which lingered for about a week. Due to the clear weather, night temperatures were extremely low. Unseasonably mild weather dominated near midmonth. Precipitation was negligible but average temperatures rose to well above normal. High pressure systems produced dry conditions and above normal temperatures the last half of February.

SPRING 1988: March came in like a lion with gusty winds, scattered showers, and up to one foot of snow at higher elevations. Mostly clear skies predominated at midmonth, and temperatures were a few degrees below normal despite the sunny weather. Jet streams forced storm fronts to slide north again for the remainder of the month, producing mostly sunny skies and near normal temperatures. So, March went out like a lamb. April began like March ended with above normal temperatures but only trace amounts of precipitation. Northerly air flows dropped temperatures sharply the second week. Gusty winds were recorded at 60-75 mph with considerable blowing of

sand and topsoil in numerous areas. Temperatures fluctuated well above normal again, but by midmonth had cooled considerably with substantial rain and snow over most western and southern areas. Cold weather the third week resulted in snow accumulations at higher elevations. April ended with a series of storms producing only light precipitation, mainly in the form of snow, gusty winds, and below normal temperatures. May weather was extremely variable, ranging from cold, wet and windy to very warm with sunny skies. Gusty winds accompanying frequent storms were common throughout the month. Precipitation was well below normal, but temperatures generally averaged near to above normal. A cold front moved in the last few days of May and dropped nighttime temperatures to freezing and below and brought snow to higher elevations. As a result, frost damage was reported in many areas.

SUMMER 1988: June started like winter with strong cold fronts bringing gusty winds, below normal temperatures, and snow showers to all areas except the extreme south. Cool, dry weather persisted through midmonth when a warming trend produced widely scattered storms but no significant precipitation. An extreme heat wave with record-breaking temperatures near the end of June stimulated widely scattered thunderstorms that created range and forest fires but no meaningful precipitation. July began with above normal temperatures and ended with a record number of consecutive days of readings with 100 degrees or above. A weak cold front early in the month lowered daytime temperatures but produced no significant precipitation. A few isolated thunderstorms near midmonth produced trace amounts of rain but temperatures continued unseasonably warm and windy. Temperatures the remainder of July were extremely high with 100 degrees or higher readings common in all areas. Afternoon thunderstorms during this extreme heat period produced the condition called a Virga (rainfall evaporating before it reaches the ground). Record high temperatures experienced in July extended into August. Readings of 100 degrees or higher were common in all areas early in the month. Only light, spotty rainfall amounts were generated from widely scattered thunderstorms. Some range and forest fires were started by lightning strikes but acreages burned were relatively small. Remainder of August was about the same as in the beginning--mostly dry with searing daytime temperatures. September started like August ended--with temperatures well above normal including some record highs. The only precipitation at the beginning of September was in the form of light, scattered afternoon thunderstorms in the southern areas. First cool air of the summer season dropped temperatures midmonth but only trace amounts of precipitation were recorded. Cool weather was short lived as temperatures returned to normal by the end of the month. No precipitation was reported the last half of September. First snow of the season fell in the western Sierras but didn't last long.

TEMPERATURES AND PRECIPITATION FOR WATER YEAR, 1988

	1987			1988								
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept:Total
<u>Degrees</u>												
Temperature												
1987-88:	55.6	40.3	29.5	27.7	36.5	41.9	50.2	56.2	67.6	75.4	71.6	62.0 51.2
Normal:	53.0	40.8	33.2	31.3	36.9	40.9	47.9	57.1	66.1	74.0	71.3	63.3 51.3
Departure:	+2.6	-0.5	-3.7	-3.6	-0.4	+1.0	+2.3	-0.9	+1.5	+1.4	+0.3	-1.3 -0.1
<u>Inches</u>												
Precipitation												
1987-88:	1.07	1.67	.80	.75	.19	.23	1.50	.69	.44	.23	.59	.27 8.43
Normal:	.57	.76	.94	.99	.83	.80	.75	.87	.72	.51	.56	.51 8.81
Departure:	+.50	+.91	.14	-.24	-.64	-.57	+.75	-.18	-.28	-.28	+.03	-.24 -.38

ANNUAL CROP SUMMARY

Nevada farmers and ranchers produced more alfalfa hay, garlic and onions in 1988 but production of all other crops showed declines from the previous year. Harvested acreage for alfalfa hay, alfalfa seed, garlic and onions was up slightly, but acreage for most other crops remained the same or decreased considerably from the previous year. All wheat production dropped 20 percent and barley output was 16 percent below the previous year. This is the smallest wheat crop since 1983 and the smallest barley crop since 1981. The potato crop was 9 percent smaller and alfalfa seed production was up 4 percent despite a slight increase in acreage. This is the smallest potato crop since 1974 when potato estimates were reinstated. Onion output increased 37 percent, the result of increased acreage as average yield remained the same. Garlic production increased 30 percent as acreage almost doubled but the average yield dropped 2 tons per acre. The total value of selected crops produced in the state was \$171.4 million in 1988, up 26 percent from the 1987 total of 135.7 million. The increase in total value was the result of higher prices as yields and harvested acres were down for most crops.

CROP ACREAGE, PRODUCTION AND VALUE, NEVADA, 1987 AND 1988

Crop	1987					1988				
	Yield		Unit	Production		Yield		Production		
	Acres	Per		Acres	Per	Acres	Per			
	Harvested	Acre		Total	Value	Harvested	Acre	Total	Value	
				Thou-	1,000			Thou-	1,000	
				sands	Dollars			sands	Dollars	
Wheat, All.	21,000	80.0	Bu.	1,680	3,833	19,000	70.5	1,340	4,801	
Spring	14,000	75.0	Bu.	1,050	2,415	12,000	65.0	780	2,925	
Winter	7,000	90.0	Bu.	630	1,418	7,000	80.0	560	1,876	
Barley.	33,000	90.0	Bu.	2,970	5,940	31,000	80.0	2,480	6,696	
Hay, All.	515,000	2.68	Tons	1,380	106,260	510,000	2.62	1,336	126,252	
Alfalfa.	245,000	4.20	Tons	1,029	1/	250,000	4.20	1,050	1/	
All Other.	270,000	1.30	Tons	351	1/	260,000	1.10	286	1/	
Alfalfa Seed.	10,000	630	Lbs.	6,300	7,245	11,000	640	7,040	8,800	
Potatoes.	8,000	340	Cwt.	2,720	8,432	8,000	310	2,480	13,764	
Garlic.	660	7.0	Tons	4.6	1,656	1,200	5.0	6.0	1,920	
Onions.	460	25.0	Tons	11.5	2,300	630	25.0	15.8	4,410	
All Crops	588,120	--	--	--	135,666	580,830	--	--	171,444	

1/ Not available.

Conversion: 33.3 Bu. Wheat = 1 Ton; 41.7 Bu. Barley = 1 Ton.

WINTER WHEAT: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1979-88

Year	Acres	Acres	Yield	Production	Season Price	Value of
	Planted	Harvested	Per Acre		Average	Production
			Bushels	Thousand Bu.	Dollars Per Bu.	Thousand Dollars
1979 .	12,000	11,000	70	770	4.15	3,196
1980 .	13,000	12,000	65	780	3.80	2,964
1981 .	16,000	15,000	70	1,050	3.40	3,570
1982 .	16,000	15,000	70	1,050	3.53	3,707
1983 .	9,000	8,000	70	560	3.40	1,904
1984 .	9,000	8,000	80	640	2.90	1,856
1985 .	10,000	9,000	80	720	2.55	1,836
1986 .	10,000	9,000	90	810	2.05	1,661
1987 .	8,000	7,000	90	630	2.15	1,355
1988 .	8,000	7,000	80	560	3.35	1,876

WINTER WHEAT: ACREAGE, YIELD AND PRODUCTION, BY COUNTIES, NEVADA, 1987-88

County	1987				1988			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		Bushels		Acres		Bushels	
Churchill..	700	600	80	48,000	700	600	70	42,000
Eureka . .	400	300	70	22,500	400	300	70	21,000
Humboldt .	2,500	2,200	100	220,000	2,400	2,100	85	178,500
Lyon . . .	900	700	70	52,500	700	500	70	35,000
Pershing .	2,000	1,800	100	180,000	2,200	2,000	90	180,000
All Others:	1,500	1,400	76	107,000	1,600	1,500	69	103,500
State	8,000	7,000	90	630,000	8,000	7,000	80	560,000

SPRING WHEAT: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1979-88

Year	Acres	Acres	Yield	Production	Season Price	Value of
	Planted	Harvested	Per Acre		Average	Production
			Bushels	Thousand Bu.	Dollars Per Bu.	Thousand Dollars
1979 .	14,000	13,000	50	650	4.00	2,600
1980 .	19,000	17,000	60	1,020	3.80	3,876
1981 .	18,000	16,000	50	800	3.40	2,720
1982 .	16,000	14,000	60	840	3.53	2,965
1983 .	12,000	10,000	70	700	3.65	2,555
1984 .	18,000	16,000	75	1,200	3.05	3,660
1985 .	17,000	15,000	70	1,050	2.91	3,056
1986 .	15,000	13,000	70	910	2.20	2,002
1987 .	16,000	14,000	75	1,050	2.20	2,363
1988 .	14,000	12,000	65	780	3.75	2,925

SPRING WHEAT: ACREAGE, YIELD AND PRODUCTION BY COUNTIES, NEVADA, 1987-88

County	1987				1988			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		Bushels		Acres		Bushels	
Churchill..	1,400	1,200	70	84,000	1,400	1,100	70	77,000
Eureka . .	1,000	800	65	52,000	800	600	60	36,000
Humboldt .	6,600	5,800	80	464,000	5,500	4,700	65	305,500
Lander . .	400	300	65	19,500	700	600	65	39,000
Lyon . . .	1,100	900	70	63,000	900	700	65	45,500
Pershing .	4,600	4,100	75	307,500	3,800	3,400	65	221,000
All Others:	900	900	67	60,000	900	900	62	56,000
State	16,000	14,000	75	1,050,000	14,000	12,000	65	780,000

BARLEY, ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1979-88

BARNETT, KENNEDY, FIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1979-88						
	Acres	Acres	Yield		Season	Value
Year	Planted	Harvested	Per	Production	Average	of
			Acre		Price	Production
			Bushels	Thousand Bu.	Dollars Per Bu.	Thousand Dollars
1979 .	30,000	27,000	60	1,620	2.70	4,374
1980 .	31,000	28,000	70	1,960	3.15	6,174
1981 .	33,000	30,000	55	1,650	2.79	4,604
1982 .	35,000	32,000	80	2,560	2.43	6,221
1983 .	37,000	34,000	80	2,720	2.90	7,888
1984 .	40,000	37,000	90	3,330	2.55	8,492
1985 .	40,000	37,000	80	2,960	2.15	6,364
1986 .	36,000	33,000	90	2,970	1.85	5,495
1987 .	36,000	33,000	90	2,970	1.95	5,792
1988 .	34,000	31,000	80	2,480	2.70	6,696

BARLEY: ACREAGE, YIELD AND PRODUCTION, BY COUNTIES, NEVADA, 1987-88

	1987				1988			
County	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	Acres		Bushels		Acres		Bushels	
Churchill.	3,700	3,400	95	323,000	3,600	3,300	95	313,500
Eureka . . .	3,200	2,800	75	210,000	3,200	2,800	70	196,000
Humboldt . .	17,000	16,500	95	1,567,500	15,000	14,500	80	1,160,000
Lander . . .	1,300	1,000	65	65,000	1,300	1,000	75	75,000
Lyon	3,100	2,800	90	252,000	3,000	2,700	75	202,500
Pershing . .	2,600	2,300	100	230,000	2,400	2,100	100	210,000
Washoe . . .	800	700	80	56,000	800	700	75	52,500
White Pine:	900	700	75	52,500	900	700	65	45,500
All Others:	3,400	2,800	76	214,000	3,800	3,200	70	225,000
State	36,000	33,000	90	2,970,000	34,000	3,100	80	2,480,000

HAY: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1979-88

	All Hay					Alfalfa Hay 1/			
	Yield:	Season	Value		Yield:				
	Acres	Per	Average:	of	Acres	Per			
Year	Harvested	Acre	Production	Price	Production	Harvested	Acre	Production	
		Tons	Thousand Tons	Dollars	Thousand Dols.		Tons	Thousand Tons	
1979:	495	2.18	1,081	82.00	88,642	215	3.40	731	
1980:	500	2.19	1,095	90.50	99,098	215	3.50	753	
1981:	470	2.30	1,081	70.00	73,220	220	3.55	781	
1982:	510	2.45	1,249	86.50	108,039	225	3.65	821	
1983:	530	2.46	1,302	91.00	118,482	230	3.90	897	
1984:	525	2.56	1,346	75.00	100,950	235	4.00	940	
1985:	495	2.63	1,302	80.50	104,811	235	4.10	964	
1986:	520	2.65	1,376	74.00	101,824	240	4.10	984	
1987:	515	2.68	1,380	79.50	109,710	245	4.20	1,029	
1988:	510	2.62	1,336	94.50	126,252	250	4.20	1,050	

1/ Alfalfa hay season average price and value of production are not available.

**HAY: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY TYPES,
BY COUNTIES, NEVADA, 1987**

County	Alfalfa Hay			All Other Hay			All Hay
	Acres	Yield	Production	Acres	Yield	Production	Production
		Tons	Tons		Tons	Tons	Tons
Churchill.	35,000	4.40	154,000	3,000	1.85	5,550	159,550
Douglas.	6,000	3.95	23,700	7,000	1.70	11,900	35,600
Humboldt	38,000	4.60	174,800	47,000	.90	42,300	217,100
Lyon	36,000	4.15	149,400	5,000	1.80	9,000	158,400
Carson City	300	3.90	1,170	300	1.40	420	1,590
Pershing	18,000	4.50	81,000	3,500	1.80	6,300	87,300
Storey	100	4.00	410	200	1.10	220	620
Washoe	11,000	4.30	47,300	8,000	1.90	15,200	62,500
District 1:	144,400	4.38	631,770	74,000	1.23	90,890	722,660
Elko	29,000	3.10	89,900	159,000	1.30	206,700	296,600
Eureka	20,000	4.00	80,000	10,000	1.40	14,000	94,000
Lander	9,000	3.80	34,200	14,000	1.40	19,600	53,800
White Pine	11,000	3.80	41,800	5,000	1.40	7,000	48,800
District 3:	69,000	3.56	245,900	188,000	1.32	247,000	493,000
Clark.	6,000	5.20	31,200	500	2.00	1,000	32,200
Esmeralda.	6,000	4.40	26,400	400	1.40	560	26,960
Lincoln.	7,600	4.30	32,680	900	1.50	1,350	34,030
Mineral.	3,000	4.15	12,450	200	1.50	300	12,750
Nye.	9,000	5.40	48,600	6,000	1.60	9,600	58,200
District 8:	31,600	4.79	151,330	8,000	1.60	12,810	164,140
State	245,000	4.20	1,029,000	270,000	1.30	351,000	1,380,000

**HAY: ACREAGE HARVESTED, YIELD AND PRODUCTION, BY TYPES,
BY COUNTIES, NEVADA, 1988**

County	Alfalfa Hay			All Other Hay			All Hay
	Acres	Yield	Production	Acres	Yield	Production	Production
		Tons	Tons		Tons	Tons	Tons
Churchill.	36,000	4.60	165,600	6,000	1.90	11,400	177,000
Douglas.	8,900	3.90	34,710	7,000	1.40	9,800	44,510
Humboldt	36,000	4.20	151,200	39,000	1.20	46,800	198,000
Lyon	39,000	4.20	163,800	7,000	.90	6,300	170,100
Carson City	300	3.90	1,170	200	1.20	240	1,410
Pershing	21,000	4.40	92,400	3,100	1.20	3,720	96,120
Storey	100	4.15	410	200	1.05	210	620
Washoe	13,000	4.50	58,500	7,000	1.80	12,600	71,100
District 1:	154,300	4.33	667,790	69,500	1.31	91,070	758,860
Elko	28,000	3.50	98,000	150,000	1.00	150,000	248,000
Eureka	20,000	4.55	91,000	9,000	1.10	9,900	100,900
Lander	10,000	4.10	41,000	16,000	1.00	16,000	57,000
White Pine	10,000	3.40	34,000	7,000	1.20	8,400	42,400
District 3:	68,000	3.88	264,000	182,000	1.01	184,300	448,300
Clark.	5,000	5.70	28,500	1,200	2.00	2,400	30,900
Esmeralda.	6,700	4.15	27,810	400	1.20	480	28,290
Lincoln.	6,000	4.00	24,000	1,700	.90	1,530	25,530
Mineral.	2,000	3.75	7,500	200	1.10	220	7,720
Nye.	8,000	3.80	30,400	5,000	1.20	6,000	36,400
District 8:	27,700	4.27	118,210	8,500	1.25	10,630	128,840
State	250,000	4.20	1,050,000	260,000	1.10	286,000	1,336,000

POTATOES: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1978-88

Year	Acres Planted	Acres Harvested	Yield Per Acre	Production Thousand Cwt.	Season Average Price Dollars Per Cwt.	Value of Production Thousand Dollars
1978 .	17,000	17,000	320	5,440	2.40	13,056
1979 .	15,000	15,000	330	4,950	2.75	13,613
1980 .	13,000	13,000	340	4,420	5.20	22,984
1981 .	12,000	12,000	290	3,480	4.90	17,052
1982 .	13,000	13,000	315	4,095	2.60	10,647
1983 .	12,000	12,000	310	3,720	5.70	21,204
1984 .	10,000	10,000	330	3,300	4.60	15,180
1985 .	9,000	9,000	345	3,105	2.80	8,694
1986 .	9,000	9,000	350	3,150	4.15	13,073
1987 .	8,000	8,000	340	2,720	3.10	8,432
1988 .	8,000	8,000	310	2,480	5.55	13,764

ONIONS: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1982-88

Year	Acres Planted 1/	Acres Harvested	Yield Per Acre	Production Tons	Season Average Price Dollars Per Ton	Value of Production Thousand Dollars
1982 .		600	23	13,800	200.00	2,760
1983 .		500	21	10,500	210.00	2,205
1984 .		400	23	9,200	280.00	2,576
1985 .		600	21	12,600	200.00	2,520
1986 .		400	21	8,400	260.00	2,184
1987 .		460	25	11,500	200.00	2,300
1988 .		630	25	15,750	280.00	4,410

1/ Not available.

GARLIC: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1982-88

Year	Acres Planted 1/	Acres Harvested	Yield Per Acre	Production Tons	Season Average Price Dollars Per Ton	Value of Production Thousand Dollars
1982 .		600	5.5	3,200	360.00	1,152
1983 .		800	6.0	4,800	440.00	2,112
1984 .		800	6.0	4,800	440.00	2,112
1985 .		900	6.0	5,400	400.00	2,160
1986 .		800	6.5	5,200	380.00	1,976
1987 .		660	7.0	4,600	360.00	1,656
1988 .		1,200	5.0	6,000	320.00	1,920

1/ Not available.

ALFALFA SEED: ACREAGE, YIELD, PRODUCTION, PRICE AND VALUE, NEVADA, 1978-88

Year	Acres Planted 1/	Acres Harvested	Yield Per Acre Pounds	Production Thousand Lbs.	Season Average Price Dollars Per Lb.	Value of Production Thousand Dollars
1978 .		17,000	365	6,205	1.35	8,377
1979 .		18,000	405	7,290	1.30	9,477
1980 .		17,000	450	7,650	1.20	9,180
1981 .		17,000	530	9,010	1.15	10,362
1982 .		13,000	350	4,550	1.05	4,778
1983 .		10,000	405	4,050	1.15	4,658
1984 .		10,000	525	5,250	1.10	5,775
1985 .		11,000	670	7,370	1.00	7,370
1986 .		10,000	600	6,000	1.00	6,000
1987 .		10,000	630	6,300	1.15	7,245
1988 .		11,000	640	7,040	1.25	8,800

1/ Not available.

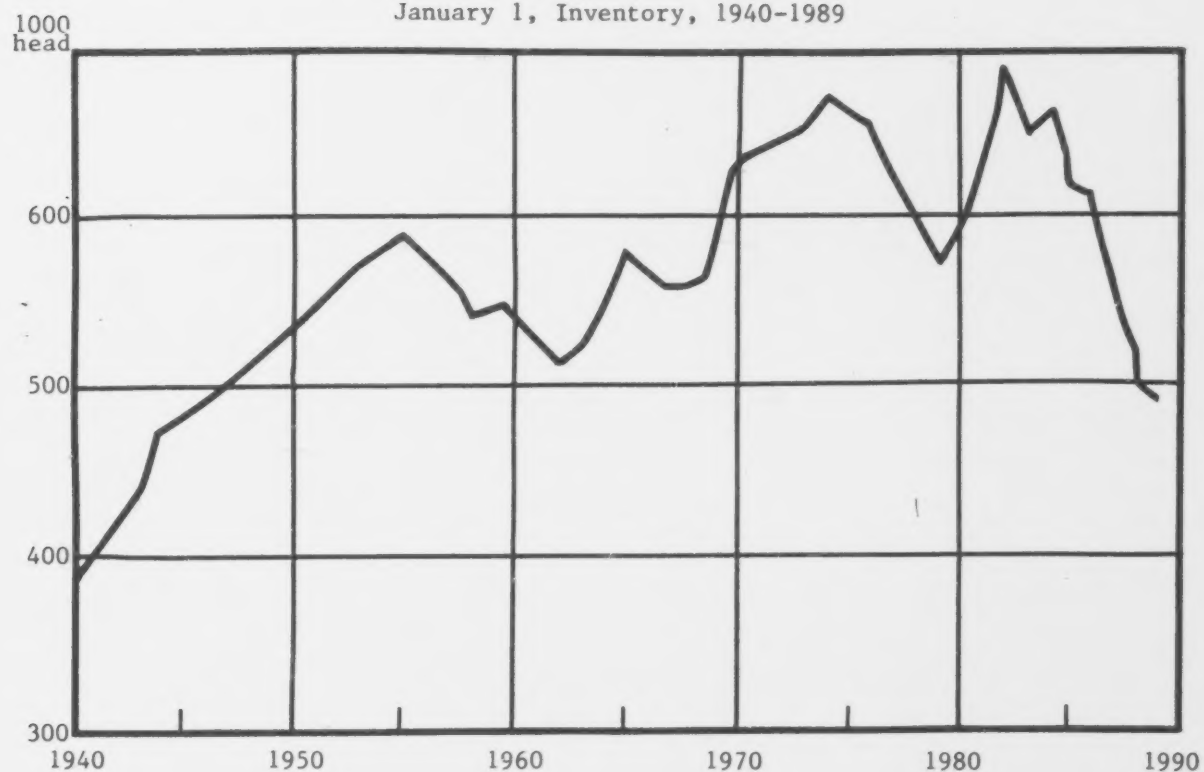
ALFALFA SEED: ACREAGE, YIELD, PRODUCTION, BY COUNTIES, NEVADA, 1982-88

Year	Humboldt	Pershing	All Other 1/	Nevada Total
Harvested Acres				
1982 .	4,500	8,000	500	13,000
1983 .	2,900	6,800	300	10,000
1984 .	2,700	7,000	300	10,000
1985 .	2,500	8,300	200	11,000
1986 .	2,500	7,300	200	10,000
1987 .	3,100	6,700	200	10,000
1988 .	3,700	7,100	200	11,000
Yield Per Acre				
Pounds				
1982 .	300	380	320	350
1983 .	330	440	335	405
1984 .	450	560	385	525
1985 .	540	715	425	670
1986 .	410	670	425	600
1987 .	490	700	450	630
1988 .	520	705	550	640
Production of Clean Seed				
Thousand Pounds				
1982 .	1,350	3,040	160	4,550
1983 .	955	2,995	100	4,050
1984 .	1,215	3,920	115	5,250
1985 .	1,350	5,935	85	7,370
1986 .	1,025	4,890	85	6,000
1987 .	1,520	4,690	90	6,300
1988 .	1,925	5,005	110	7,040

1/ Churchill, Lander, Lincoln, Nye, Washoe and White Pine.

CATTLE AND CALVES

January 1, Inventory, 1940-1989



CATTLE AND CALVES INVENTORY, JANUARY 1, 1988-89 1/

Class of Livestock	Nevada			United States		
	1988	1989	89 as %	1988	1989	89 as %
	- Thousand Head -	- Thousand Head -	Pct.	- Thousand Head -	- Thousand Head -	Pct.
All Cattle and Calves.	500	490	98	99,524	99,484	100
All Cows That Have Calved:	265	250	94	44,887	43,887	101
Beef Cows.	246	231	94	33,112	33,669	102
Milk Cows.	19	19	100	10,298	10,217	99
Heifers 500 lbs+	55	67	122	17,148	17,331	101
Beef Repl	34	44	129	5,227	5,505	105
Milk Repl	7	7	100	4,116	4,199	102
Other Heifers	14	16	114	7,805	7,627	98
Steers 500 lbs+	28	30	107	15,732	15,798	100
Bulls 500 lbs+	14	13	93	2,163	2,221	103
Calves Under 500 lbs	138	130	94	21,070	20,248	96
Calf Crop.	225	---	---	40,872	---	---
Inventory Value (000 Dols)	252,500	267,050	106	52,045,643	60,394,509	116
Value Per Head (Dollars)	505	545	108	523	607	116

1/ Sum of classes may not add to total due to rounding.

CATTLE AND CALVES: INVENTORY, SUPPLY AND DISPOSITION, NEVADA, 1979-89

Year	Cattle	All	Inship-	Marketings	Farm	Deaths
	Jan. 1	Calves	ments	Cattle:Calves	Slaughter	Cattle:Calves
		Born		Thousand Head		
1979	575	260	40	151 102	5	8 14
1980	595	280	45	149 102	5	9 15
1981	640	290	30	134 92	5	11 18
1983	650	295	25	162 109	5	12 22
1984	660	285	20	185 125	5	10 20
1985	620	270	25	151 120	5	10 19
1986	610	260	15	188 115	5	9 18
1987	550	235	10	164 104	5	7 15
1988	500	225	10	121 95	5	8 16
1989	490					

CATTLE AND CALVES: PRODUCTION AND INCOME, NEVADA, 1979-88

Year	Production	Marketings	Value of	Cash	Value of	Gross
			Production	Receipts	Home	Income
	- Thousand Pounds -	- Thousand Pounds -	-	1/	Consumption	-
1979	184,905	190,190	125,655	128,348	4,100	132,448
1980	198,185	190,050	126,602	120,864	3,464	124,328
1981	197,965	168,010	105,697	89,395	2,932	92,327
1982	209,305	262,015	100,572	124,001	2,154	126,155
1983	224,850	230,725	105,830	107,689	2,875	110,564
1984	219,110	258,425	105,263	123,418	2,392	125,810
1985	194,060	214,430	92,836	101,753	2,361	104,114
1986	199,625	249,875	96,094	119,670	2,399	122,069
1987	179,360	219,240	102,743	125,088	2,836	127,924
1988	161,725	168,475	107,974	112,522	3,321	115,843

1/ Receipts from marketings and sale of farm slaughter.

CATTLE ON FEED

Cattle and calves on feed for slaughter market on January 1, 1989 were estimated at 29,000 head--4 percent higher than the preceding year but well below the record high 51,000 head on feed January 1, 1974.

CATTLE AND CALVES: NUMBER ON FEED ON JANUARY 1, NEVADA, 1986-89

Item	1986	1987	1988	1989	1989 as % of 1988
	Thousand Head				Percent
Number on Feed for Slaughter Market . . .	26	24	28	29	104

CATTLE AND CALVES: INVENTORY, JANUARY 1, BY COUNTIES, NEVADA, 1984-89

County & District	1984	1985	1986	1987	1988	1989
	Number of Head					
Carson City.	1,200	1,200	1,200	1,200	1,100	1,000
Churchill.	75,000	68,000	65,000	50,000	47,000	47,000
Douglas.	22,000	19,000	18,000	17,000	15,000	15,000
Humboldt.	74,000	69,000	68,000	63,000	58,000	57,000
Lyon.	59,000	51,000	48,000	41,000	36,500	36,500
Pershing.	30,000	27,000	26,000	24,000	21,000	21,000
Storey.	100	100	100	100	100	300
Washoe.	34,000	32,000	33,000	30,000	27,600	27,500
District 1:	295,300	267,300	259,300	226,300	206,300	205,300
Elko.	190,000	180,000	178,000	170,000	156,400	156,400
Eureka.	39,000	38,000	37,000	25,000	21,800	21,800
Lander.	28,000	28,000	29,000	27,000	25,000	25,000
White Pine.	32,000	31,000	30,000	28,000	25,500	25,000
District 3:	289,000	277,000	274,000	250,000	228,700	228,200
Clark.	17,000	17,000	16,000	15,000	13,000	13,000
Esmeralda.	9,000	11,000	12,000	12,000	10,000	9,000
Lincoln.	20,000	19,000	20,000	19,000	17,000	12,000
Mineral.	4,700	4,700	4,700	4,700	4,200	3,500
Nye.	25,000	24,000	24,000	23,000	20,800	19,000
District 8:	75,700	75,700	76,700	73,700	65,000	56,500
State	660,000	620,000	610,000	550,000	500,000	490,000



**HONEY BEE COLONIES, HONEY PRODUCTION, VALUE
AND STOCKS, NEVADA, 1975-88**

Year	Colonies of Bees Thousand	Yield per Colony Lbs.	Total Production Thousand Lbs.	Price per Pound Cents	Value of Production Thousand Dollars	Honey Stocks Dec. 15 Thousand Lbs.
1975. . .	8	55	440	58.0	255	132
1976. . .	9	55	495	53.3	264	20
1977. . .	10	55	550	57.2	315	193
1978. . .	9	40	360	60.2	217	108
1979. . .	12	35	420	60.3	253	105
1980. . .	11	60	660	72.0	475	231
1981. . .	12	35	420	75.0	315	88
1982. . .	Discontinued in 1982 — Reinstated in 1986					
1986. . .	9	40	360	50.0	180	54
1987. . .	11	30	330	79.0	261	66
1988. . .	9	30	270	72.0	194	54

RANGE AND PASTURE CONDITION - FIRST OF MONTH, NEVADA, 1969-89

Year	April	May	June	July	August	September	October	November	December
	Percent								
1969. . .	80	84	89	91	88	86	86	86	*
1970. . .	81	77	83	85	86	82	84	83	*
1971. . .	81	85	88	92	87	89	83	85	*
1972. . .	84	74	71	73	70	61	77	78	84
1973. . .	89	94	92	95	87	88	88	82	85
1974. . .	91	85	78	73	65	60	62	59	65
1975. . .	80	75	82	80	85	89	90	94	91
1976. . .	82	72	75	68	68	69	80	84	70
1977. . .	47	55	70	75	75	69	80	75	66
1978. . .	95	84	87	91	86	86	89	85	90
1979. . .	92	92	89	85	83	82	78	85	85
1980. . .	94	87	98	97	95	94	95	94	90
1981. . .	89	91	82	78	62	60	65	66	67
1982. . .	88	90	90	86	87	95	93	99	**
1983. . .	92	91	102	97	99	102	102	105	**
1984. . .	88	95	84	89	88	95	96	105	**
1985. . .	87	85	77	70	60	69	66	72	**
1986. . .	**	89	87	83	83	70	72	72	**
1987. . .	**	58	79	79	75	69	66	62	**
1988. . .	**	64	61	60	60	58	56	56	**
1989. . .	**	74	76	68	69				

* Data not available prior to 1972.

** Discontinued.

SHEEP AND LAMB INVENTORY, JANUARY 1, 1988-89 1/

Class of Livestock	NEVADA			UNITED STATES		
	1988	1989	89 as %	1988	1989	89 as %
	- Thousand Head -	- Thousand Head -	Pct.	- Thousand Head -	- Thousand Head -	Pct.
All Sheep and Lambs.	96	87	91	10,784.4	10,802.1	100
On Feed	2	2	100	1,644.0	1,613.0	98
Stock Sheep	94	85	90	9,140.4	9,189.1	101
Lambs.	14	13	93	1,613.7	1,682.7	104
Ewes.	13	12	92	1,282.0	1,337.6	104
Wethers & Rams.	1	1	100	331.7	345.1	104
One Year and Older	80	72	90	7,526.7	7,406.4	98
Ewes.	78	70	90	7,191.7	7,173.4	100
Wethers & Rams.	2	2	100	335.0	333.0	99
Lamb Crop.	74	---	---	7,123.1	---	---
Inventory Value (000 Dols):	9,696	7,482	77	970,484	889,765	92
Value Per Head (Dollars):	101.00	86.00	85	90.0	82.40	92

1/ Sum of classes may not add to total due to rounding.

SHEEP AND LAMBS: INVENTORY, SUPPLY AND DISPOSITION, NEVADA, 1979-88

Year	Sheep & Lambs	Lamb	Inshipments	Marketings		Farm Slaughter	Deaths	
	Jan. 1	Crop		Sheep	Lambs		Sheep	Lambs
	- Thousand Head -	- Thousand Head -		- Thousand Head -	- Thousand Head -		- Thousand Head -	- Thousand Head -
1979	125	94	68	12	124	3	10	16
1980	122	93	68	6	110	3	9	21
1981	134	97	140	13	199	3	10	17
1982	129	92	159	18	221	3	10	18
1983	110	85	190	15	241	3	7	16
1984	103	83	164	7	215	3	8	17
1985	100	72	41	17	92	3	6	14
1986	81	73	2	2	43	3	7	15
1987	86	80	18	2	56	3	7	20
1988	96	74	4	15	43	3	8	18
1989	87	---	---	---	---	---	---	---

SHEEP AND LAMBS: PRODUCTION AND INCOME, NEVADA, 1979-88

Year	Production	Marketings	Value of Production	Cash Receipts 1/	Value of Home Consumption	Gross Income
	- Thousand Pounds -	- Thousand Pounds -	- Thousand Dollars -	- Thousand Dollars -	- Thousand Dollars -	- Thousand Dollars -
	- Thousand Pounds -	- Thousand Pounds -	- Thousand Dollars -	- Thousand Dollars -	- Thousand Dollars -	- Thousand Dollars -
1979.	6,230	12,495	3,495	7,112	132	7,244
1980.	7,730	12,210	4,151	7,122	129	7,251
1981.	9,395	22,325	4,688	11,499	118	11,617
1982.	8,925	25,185	3,615	10,228	93	10,321
1983.	11,830	29,655	4,566	11,497	85	11,582
1984.	10,775	25,625	5,372	12,937	110	13,047
1985.	7,085	12,780	3,747	6,461	123	6,584
1986.	5,721	5,046	3,652	3,333	150	3,483
1987.	6,476	6,476	4,027	4,471	158	4,629
1988.	5,481	6,781	2,641	2,943	125	3,068

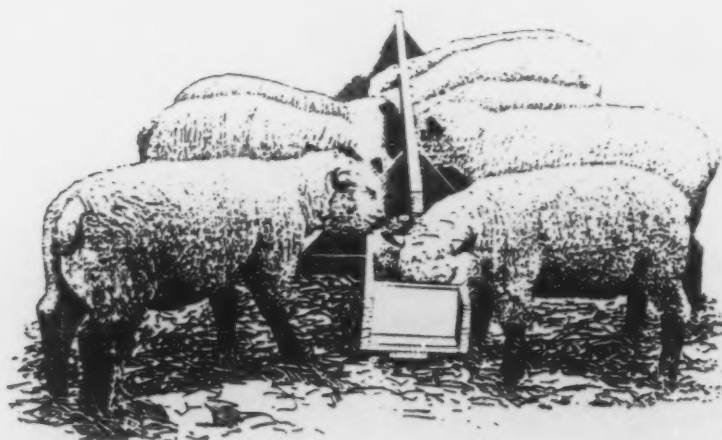
1/ Receipts from marketings and sale of farm slaughter.

SHEEP AND LAMBS: INVENTORY, JANUARY 1, BY COUNTIES, NEVADA, 1984-89

County	1984	1985	1986	1987	1988	1989
Carson City. . .	2,800	2,800	3,000	3,000	3,100	2,800
Churchill. . .	2,000	4,000	4,000	5,000	4,900	1,800
Douglas. . .	9,000	9,000	7,000	7,000	6,000	5,000
Elko . . .	34,000	31,000	22,000	22,000	19,200	20,000
Eureka . . .	3,000	3,000	4,000	4,000	5,600	2,300
Humboldt . . .	5,000	5,000	4,000	6,000	7,700	5,500
Lander . . .	4,000	4,000	4,000	4,000	4,000	3,000
Lyon . . .	10,000	9,000	6,000	6,000	9,000	10,000
Nye. . .	2,000	2,000	2,000	2,000	1,800	1,900
Pershing . . .	11,000	11,000	7,000	9,000	11,000	12,000
Washoe . . .	2,500	1,500	3,000	2,000	3,000	4,000
White Pine . .	18,000	17,000	14,000	15,000	19,700	18,000
All Other. . .	700	700	1,000	1,000	1,000	700
State	103,000	100,000	81,000	86,000	96,000	87,000

WOOL PRODUCTION AND VALUE, NEVADA, 1978-88

Year	Sheep Shorn Thousand Head	Weight Per Fleece Pounds	Wool Production Thousand Lb.	Price Per Pound Dollars	Value Thousand Dollars
1978.	102	10.4	1,061	.69	732
1979.	100	10.3	1,030	.84	865
1980.	108	10.0	1,080	.88	950
1981.	112	10.0	1,120	.97	1,086
1982.	104	9.8	1,019	.67	683
1983.	95	10.2	969	.64	620
1984.	84	10.0	840	.89	748
1985.	78	10.2	796	.62	494
1986.	76	10.0	760	.68	517
1987.	83	10.0	830	.95	789
1988.	91	10.0	910	1.43	1,301



HOG AND PIG INVENTORY, DECEMBER 1, 1987-88 1/

Class of Livestock	NEVADA			UNITED STATES		
	1987	1988	88 as %	1987	1988	88 as %
	Thousand Head	Thousand Head	Pct.	Thousand Head	Thousand Head	Pct.
All Hogs & Pigs.	16	15	94	54,620	55,299	101
Breeding.	3	2	67	7,153	7,040	98
Market.	13	13	100	47,467	48,259	102
Inventory value (000 Dols)	1,456	1,223	84	4,158,300	3,665,069	88
Value Per Head (Dollars)	91.00	81.50	90	76.10	66.30	87

1/ Sum of classes may not add to total due to rounding.

HOGS AND PIGS: INVENTORY, SUPPLY AND DISPOSITION, NEVADA, 1978-88

	Hogs & Pigs:	Pig Crop				Farm	
Year	Dec 1/	Dec-May 1/	Jun-Nov	Inshipments	Marketings	Slaughter	Deaths
	Number of Head						
1978. . . .	9,000	8,900	7,000	100	13,200	1,000	800
1979. . . .	10,000	9,800	8,400	100	15,300	1,000	1,000
1980. . . .	11,000	9,100	9,000	100	15,200	1,000	1,000
1981. . . .	12,000	9,100	9,100	---	15,200	1,000	1,000
1982. . . .	13,000	9,100	10,000	---	16,800	500	800
1983. . . .	14,000	11,000	11,000	---	20,700	400	900
1984. . . .	14,000	12,000	10,000	---	21,800	300	900
1985. . . .	13,000	10,000	12,000	---	18,800	200	1,000
1986. . . .	15,000	10,000	11,000	---	20,800	200	1,000
1987. . . .	14,000	13,000	13,000	1,000	23,800	200	1,000
1988. . . .	16,000	12,400	14,200	1,400	27,800	200	1,000
1989. . . .	15,000						

1/ December 1 of preceding year.

HOGS AND PIGS: PRODUCTION AND INCOME, NEVADA, 1978-88

Year	Production		Value of	Cash	Value of	Gross
	Production	Marketings	Production	Receipts	Home Consumption	Income
Thousand Pounds			Thousand Dollars			
1978.	3,385	2,913	1,680	1,451	169	1,620
1979.	3,888	3,346	1,613	1,391	142	1,533
1980.	3,578	3,322	1,404	1,307	134	1,441
1981.	3,979	3,322	1,303	1,091	111	1,202
1982.	3,813	3,596	1,669	1,577	75	1,652
1983.	4,467	4,399	1,792	1,765	74	1,839
1984.	4,688	4,566	1,658	1,616	49	1,665
1985.	4,151	3,929	1,414	1,339	32	1,371
1986.	4,288	4,171	1,824	1,774	40	1,814
1987.	5,372	5,029	2,380	2,243	42	2,285
1988.	5,563	5,641	1,850	1,903	31	1,934

LIVESTOCK SLAUGHTER

Total liveweight of animals slaughtered in Nevada's commercial slaughter plants increased 19 percent during 1988. Cattle accounted for 2.3 million pounds or 62 percent of the total--15 percent less than a year earlier. These estimates include slaughter in Nevada's 6 federally inspected plants, but exclude animals slaughtered on farms and ranches.

COMMERCIAL LIVESTOCK SLAUGHTER BY CLASSES, NEVADA, 1984-88

Species and Year	Head	Liveweight		Species and Year	Head	Liveweight	
		Average	Total			Average	Total
	No.	Pounds	Thou. Lb.		No.	Pounds	Thou. Lb.
<u>Cattle</u>				<u>Sheep & Lambs</u>			
1984 . .	7,200	1,142	8,183	1984.	2,700	113	311
1985 . .	6,400	1,067	6,870	1985.	2,500	113	284
1986 . .	4,700	1,112	5,201	1986.	2,400	122	292
1987 . .	2,400	976	2,363	1987.	2,100	118	253
1988 . .	2,300	1,004	2,296	1988.	2,300	120	276
<u>Calves</u>				<u>Hogs</u>			
1984 . .	100	374	34	1984.	3,500	213	747
1985 . .	---	---	---	1985.	3,100	215	660
1986 . .	---	---	---	1986.	2,700	205	556
1987 . .	100	405	35	1987.	2,200	228	500
1988 . .	1,200	545	637	1988.	2,400	209	502

COMMERCIAL LIVESTOCK SLAUGHTER BY MONTHS, NEVADA, 1988 1/

Month	Cattle		Calves		Sheep & Lambs		Hogs		All Species Total Liveweight
	Head	Total	Head	Total	Head	Total	Head	Total	
		Live- Weight		Live- Weight		Live- Weight		Live- Weight	
	No.	Thou. Lb.	No.	Thou. Lb.	No.	Thou. Lb.	No.	Thou. Lb.	Thou. Lb.
January. .	200	190	---	---	100	16	200	39	245
February .	100	135	---	---	100	10	200	37	182
March. . .	100	145	---	---	---	---	100	35	180
April. . .	200	142	---	---	---	---	100	39	181
May. . . .	200	216	---	---	200	25	300	65	306
June . . .	200	255	---	---	300	32	200	46	333
July . . .	200	169	---	---	400	43	200	51	263
August . .	200	252	---	---	400	44	300	34	330
September	200	150	---	---	400	43	200	42	235
October. .	200	162	---	---	200	22	100	29	213
November .	200	197	300	184	100	15	200	45	441
December .	300	283	800	450	100	18	300	41	792
Total	2,300	2,296	1,200	637	2,300	276	2,400	502	3,711

1/ Totals may not add due to rounding. Months with no data are not printed to avoid disclosing individual operations, but the data is included in annual totals.

**MILK PRODUCTION, FARM VALUE, UTILIZATION, AND MARKETING RECEIPTS
NEVADA, 1979-88**

Year	Milk					
	Production	Value of Production	Utilization		Marketing	Receipts
			Farm Uses	Sold 1/	Per Lb. Milk Fat	Cash Receipts
	Million Lbs.	Thousand Dollars	Million Pounds		Dollars	Thousand Dollars
1979. . . .	199	22,885	5	194	3.34	22,310
1980. . . .	219	27,813	5	214	3.62	27,178
1981. . . .	223	29,882	5	218	3.79	29,212
1982. . . .	225	29,925	5	220	3.73	29,260
1983. . . .	237	31,758	5	232	3.81	31,088
1984. . . .	251	33,885	5	246	3.78	33,210
1985. . . .	266	34,048	5	261	3.52	33,408
1986. . . .	274	33,428	5	269	3.36	32,818
1987. . . .	248	31,000	5	243	3.47	30,375
1988. . . .	267	32,307	5	262	3.33	31,702

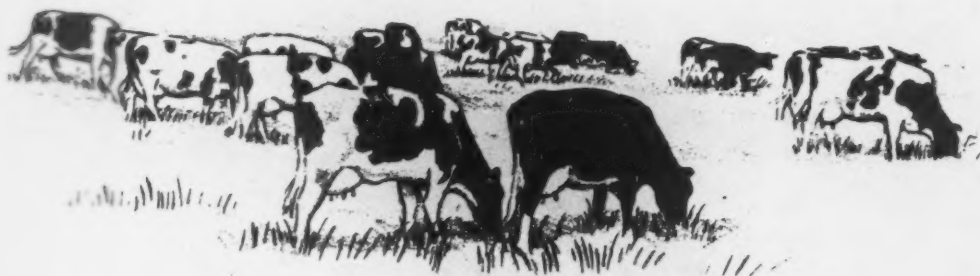
1/ Milk equivalent of cream sold.

**MILK: COWS MILKED, PRODUCTION PER COW, TOTAL PRODUCTION
NEVADA, BY QUARTER, 1986-88**

Quarter	Cows Milked 1/			Milk Per Cow 2/			Milk Production 2/		
	1986	1987	1988	1986	1987	1988	1986	1987	1988
	Thousands			Pounds			Million Pounds		
Jan-Mar	19.0	19.0	19.0	3,500	3,140	3,370	66.5	59.7	64.0
Apr-Jun	19.0	19.0	19.0	3,640	3,325	3,610	69.2	63.2	68.6
Jul-Sep	19.0	19.0	19.0	3,755	3,475	3,575	71.3	66.0	67.9
Oct-Dec	19.0	19.0	19.0	3,525	3,110	3,500	67.0	59.1	66.5
Annual	19.0	19.0	19.0	14,421	13,053	14,053	274.0	248.0	267.0

1/ Excludes heifers not yet fresh.

2/ Excludes milk sucked by calves.



**ALL MILK PRICE AND AVERAGE FAT TEST OF MILK SOLD BY FARMERS, BY MONTHS,
NEVADA, 1986-1988**

Month	All Milk Price			Fat Test Of		
	Per Cwt.			Milk Sold		
	1986	1987	1988	1985	1986	1988
	Dollars				Percent	
January. . .	12.50	12.80	12.40	3.76	3.83	3.80
February . .	12.35	12.55	12.25	3.72	3.72	3.70
March. . . .	12.05	12.35	12.15	3.68	3.66	3.65
April. . . .	11.90	12.00	12.00	3.59	3.57	3.60
May.	11.80	12.00	11.80	3.49	3.49	3.58
June	11.75	12.20	11.65	3.44	3.47	3.48
July	11.80	12.20	11.55	3.45	3.47	3.45
August . . .	11.90	12.35	11.80	3.47	3.48	3.49
September. .	12.30	12.80	12.40	3.60	3.51	3.54
October. . .	12.80	12.75	12.20	3.74	3.62	3.62
November . .	12.80	13.00	12.45	3.82	3.75	3.73
December . .	12.90	12.60	12.90	3.82	3.75	3.81
Annual	12.20	12.50	12.10	3.63	3.60	3.63

QUANTITIES OF DAIRY PRODUCTS MANUFACTURED, BY MONTHS, NEVADA, 1986-1988

Month	Dairy Products Manufactured					
	Ice Cream 2/			Ice Milk 2/		
	1986	1987	1988	1986	1987	1988
	Thousand Gallons					
January. . .	111	93	87	108	106	100
February . .	98	101	102	97	111	124
March. . . .	121	119	115	121	136	139
April. . . .	109	123	110	126	155	142
May.	119	114	115	132	145	178
June	131	128	117	149	181	163
July	138	144	137	157	213	168
August . . .	140	135	128	166	205	176
September. .	112	114	113	130	163	137
October. . .	103	107	98	136	158	138
November . .	90	85	96	139	121	99
December . .	93	86	85	167	113	111
Annual	1,365	1,349	1,303	1,628	1,807	1,675

1/ Sherbet production on annual basis: 1986-73,000 gallons; 1987-68,000 gallons; 1988-62,000 gallons. Other items manufactured are not shown when less than 3 plants have reported since individual operations might be disclosed.

2/ Includes production in regular dairy plants and soft frozen products sold directly from a freezer.

MILK COWS AND PRODUCTION, BY COUNTIES, NEVADA, 1987-88

County	1987			1988		
	Milk Cows	Milk Per Cow	Milk Production	Milk Cows	Milk Per Cow	Milk Production
	No.	Lb.	Million Lb.	No.	Lb.	Million Lb.
Churchill . .	6,600	12,700	83.8	7,000	13,800	96.6
Clark	6,600	13,400	88.4	6,500	14,400	93.6
Douglas. . .	2,200	13,800	30.4	2,000	14,800	29.6
Lyon.	1,600	13,000	20.8	1,400	14,100	19.7
Washoe. . . .	800	13,500	10.0	900	13,200	11.9
All Others . .	1,200	12,200	14.6	1,200	13,000	15.6
State	19,000	13,053	278.0	19,000	14,632	267.0

CHICKEN AND EGGS

Total chickens on Nevada farms and ranches were estimated at 17,000 on December 1, 1988. This was down 6 percent from a year earlier. Of the total chickens, 13,000 were of laying age on December 1, 1988.

Total value of chickens in Nevada on December 1, 1988 came to \$54,000 which was down 4 percent from a year earlier. Value per bird, at \$3.20, was up 10 cents from the previous year.

CHICKENS ON FARMS, DECEMBER 1, 1986-88 1/

Type	Nevada				United States			
	1986	1987	1988	88 as %	1986	1987	1988	88 as %
	Thousand			Percent	Thousand			Percent
Total Chickens	17	18	17	94	369,131	377,727	355,489	94
Laying Age	12	13	13	100	279,940	285,764	275,352	96
Hens	10	10	9	90	125,040	124,743	122,779	98
Pullets	2	3	4	133	154,900	161,021	152,573	95
All Others	5	5	4	80	89,191	91,963	80,137	87

1/ Excludes Commercial Broilers.

VALUE OF CHICKENS ON FARMS, DECEMBER 1, 1986-88 1/

Value	Nevada			United States		
	1986	1987	1988	1986	1987	1988
Per Bird	2.90	3.10	3.20	1.87	1.87	2.04
Total Thousand Dollars	49	56	54	690,165	706,131	725,016

1/ Excludes Commercial Broilers.

EGG PRODUCTION: NUMBER OF LAYERS, EGGS PER LAYER AND TOTAL PRODUCTION, BY QUARTERS, NEVADA, 1986-88

Quarter	Layers			Eggs Per 100 Layers 1/			Total Production		
	1986	1987	1988	1986	1987	1988	1986	1987	1988
	Thousands			Number			Thousands		
Dec. 2/ - Feb	12.0	12.0	13.0	4,500	3,825	3,731	540	459	485
March - May	12.0	12.0	13.0	5,290	4,965	4,467	635	596	580
June - Aug	12.0	12.0	13.0	5,060	5,290	4,876	607	635	634
Sept - Nov	12.0	13.0	13.0	4,185	4,095	4,459	502	532	580
Total 3/	12.0	12.0	13.0	190	185	175	2,284	2,222	2,279

1/ Number of eggs produced divided by average number of layers on hand. 2/ December preceding year. 3/ Layers are the average during the year. Rate of lay is the annual per layer.

EGGS: PRODUCTION, DISPOSITION AND INCOME, NEVADA, 1985-88

Year	Eggs Produced	Price Per Dozen	Gross Income
	Million Eggs	Cents	Thousand Dollars
1985	2.2	42.5	78
1986	2.2	49.1	90
1987	2.2	40.2	74
1988	2.3	38.8	74

NEVADA FARMS & RANCHES, LAND IN FARMS & RANCHES, 1987 CENSUS OF AGRICULTURE

County and District	Number of Farms	Land in Farms	Average Size of Farms	Total Cropland	Harvested Cropland	Irrigated Land	Value of Land and Building	
							Average Per Farm	Average Per Acre
				Acres			Dollars	
Churchill . . .	542	366,213	676	63,386	43,750	62,539	352,867	507
Douglas . . .	202	114,574	567	28,686	15,166	41,285	711,777	1,318
Humboldt . . .	191	883,913	4,366	135,998	87,549	100,972	1,077,497	244
Lyon	346	209,805	606	75,105	52,540	93,218	575,639	1,068
Carson City .	37	17,859	483	(D)	490	1,632	383,838	795
Pershing . . .	120	660,662	5,506	(D)	35,823	42,796	1,036,883	186
Storey	10	1,110	111	594	392	(D)	(D)	(D)
Washoe	346	880,792	2,546	41,661	20,537	32,131	506,092	202
District 1:								
Elko	386	3,375,548	8,745	(D)	164,963	235,188	1,248,772	142
Eureka	85	202,363	2,381	(D)	27,566	28,606	455,800	191
Lander	64	(D)	(D)	36,902	25,883	35,663	(D)	(D)
White Pine . .	127	216,656	1,706	28,016	15,925	32,418	531,110	308
District 3:								
Clark	267	67,772	254	11,021	5,924	7,594	338,775	1,152
Esmeralda . . .	28	1,798,823	64,244	24,917	8,298	9,273	4,576,429	71
Lincoln	102	46,385	455	17,422	7,161	14,322	333,922	734
Mineral	38	(D)	(D)	4,320	2,513	(D)	(D)	(D)
Nye	136	370,496	2,724	(D)	11,587	29,331	861,263	313
District 8:								
State	3,027	9,988,520	3,300	802,604	526,067	778,977	749,936	227

(D) - Withheld to avoid disclosing data for individual farms.



NEVADA NUMBER OF FARMS & RANCHES BY VALUE OF SALES, 1987 CENSUS OF AGRICULTURE

County and District	Less than \$2,500	\$2,500 to \$4,999	\$5,000 to \$9,999	\$10,000 to \$24,999	\$25,000 to \$49,999	\$50,000 to \$99,999	\$100,000 or More
Churchill	123	62	86	108	55	37	71
Douglas	69	27	20	26	24	11	25
Humboldt	32	12	12	20	24	30	61
Lyon	93	33	34	41	48	34	63
Carson City	16	4	7	6	1	0	3
Pershing	11	8	12	28	13	17	31
Storey	3	2	2	0	2	1	0
Washoe	152	64	41	36	10	13	30
District 1	499	212	214	265	177	143	284
Elko	92	35	38	54	35	34	98
Eureka	6	3	5	8	9	28	26
Lander	5	1	5	16	7	10	20
White Pine	29	17	9	19	18	7	28
District 3	132	56	57	97	69	79	172
Clark	142	42	27	27	9	5	15
Esmeralda	1	2	2	3	6	5	9
Lincoln	34	8	21	13	5	13	8
Mineral	11	12	3	9	1	0	2
Nye	42	21	12	23	11	13	14
District 8	230	85	65	75	32	36	48
State	861	353	336	437	278	258	504

NEVADA NUMBER OF FARMS & RANCHES BY TOTAL LAND IN FARMS, 1987 CENSUS OF AGRICULTURE

County and District	1-9 Acres	10-49 Acres	50-179 Acres	180-499 Acres	500-999 Acres	1000+ Acres
Churchill	57	182	167	85	33	18
Douglas	46	58	37	29	12	20
Humboldt	22	28	16	21	31	73
Lyon	59	77	81	50	36	43
Carson City	15	8	4	4	4	2
Pershing	10	15	32	23	12	28
Storey	4	2	1	2	1	0
Washoe	113	86	54	42	17	34
District 1	326	456	392	256	146	218
Elko	59	39	47	44	43	154
Eureka	3	2	5	38	15	22
Lander	11	3	5	17	9	19
White Pine	14	28	17	25	11	32
District 3	87	72	74	124	78	227
Clark	134	67	31	21	8	6
Esmeralda	1	2	7	6	4	8
Lincoln	10	19	29	20	17	7
Mineral	3	21	9	2	1	2
Nye	13	34	32	24	13	20
District 8	161	143	108	73	43	43
State	574	671	574	453	267	488

1988 AERIAL AND GROUND PEST CONTROL SUMMARY

This summary was compiled from information contained in mandatory monthly reports submitted to this Department by the 1988 custom aerial pest control licensees. Its accuracy is based on these monthly reports and the data therein does not constitute approval or recommendations by this Department or the National Agricultural Statistics Service.

Pesticide Use (Aerial Application) 1988

ALFALFA HAY

(58,131 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Aphids	Cygon	1.00 PT	1,850.0
		1.00 PT	2,020.0
		1.00 PT	4,392.0
		1.00 PT	430.0
	Dimethoate	.75 PT	3,084.0
		1.50 PT	240.0
		1.00 PT	446.0
		.75 PT	136.0
		1.50 PT	5,692.0
		1.00 PT	646.0
		1.00 PT	2,340.0
		1.50 PT	912.0
	Dimethoate 4	1.00 PT	99.0
	Furadan	.66 PT	560.0
	Methyl Parathion	1.00 PT	50.0
		1.00 PT	541.0
		1.00 PT	240.0
	Mevinphos	1.00 PT	309.0
	Mevinphos (Phosdrin)	1.00 PT	265.0
	Mevinphos (Phosdrin 4)	.75 PT	182.0
Aphids/Weevils	Chlorpyrifos (Lorsban)	1.00 PT	280.0
	Dimethoate	.50 PT	182.0
		1.00 PT	600.0
	Furadan	.50 PT	3,634.0
		6.00 OZ	182.0
		.50 PT	260.0
		1.00 PT	600.0
		.50 PT	102.0
		.50 PT	77.0
		.50 PT	1,076.0
		1.00 PT	4,867.0
	Methyl Parathion	1.00 PT	260.6
		1.00 PT	179.0
		.75 PT	100.0
		1.00 PT	956.0
		.50 PT	473.0
		1.50 QT	253.0
Broadleaf Weeds	2,4-DB Ester	2.00 QT	40.0
		1.50 PT	16.0

ALFALFA HAY, cont.

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Grasshoppers	Cythion	3.00 OZ	246.0
	Dimethoate	.75 PT	702.0
	Furadan	.50 PT	192.0
		.50 PT	71.0
	Methyl Parathion	1.00 PT	390.0
		.50 PT	170.0
	Mevinphos	.50 PT	40.0
	Parathion	6.00 OZ	22.0
		6.00 OZ	550.0
	Parathion 8E	6.00 OZ	120.0
Weeds	2,4-DB Ester	1.00 QT	40.0
	Velpar L	1.00 PT	352.0
Weevil		1.00 PT	1,405.0
	Dimethoate	.50 PT	265.0
		1.00 PT	100.0
	Furadan	.50 PT	265.0
		.75 PT	1,850.0
		.50 PT	240.0
		.50 PT	40.0
		.50 PT	3,205.0
		.75 PT	1,339.0
		1.00 PT	558.0
		1.00 PT	3,399.0
		.75 PT	305.0
		1.00 PT	86.0
		.50 PT	972.0
	Imidan	1.5 LB	646.0
	Methyl Parathion	1.00 PT	292.0
		1.00 PT	638.0
		.50 PT	363.0
	Parathion	6.00 OZ	197.0
		6.00 OZ	300.0
	Parathion 8E	.50 PT	200.0

ALFALFA SEED

(27,546 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Aphids	Furadan	.75 PT	196.0
	Metasystox-R	1.50 PT	1,147.0
	Methyl Parathion	.75 PT	40.0
	Phosdrin 4	1.00 PT	107.0
	Pirimor	5.00 OZ	48.0
		6.00 OZ	347.0
	Spur	6.40 OZ	25.0
		9.60 OZ	1,043.0
Aphids/Loopers	Orthene	1.33 LB	118.0
Aphids/Lygus	Phosdrin 4	1.00 PT	1,281.0
	Supracide	1.00 QT	42.0
Aphids/Lygus/Weevils	Metasystox-R	1.50 PT	1,600.0

ALFALFA SEED, cont.

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Aphids/Weevils	Dimethoate	1.50 PT	1,019.0
	Paraquat (Gramoxone)	1.50 QT	180.0
	Supracide	1.50 QT	870.0
		1.00 QT	196.0
Clean Up/Weevils	Supracide	1.00 QT	25.0
Defoliation	Des-i-cate	1.50 GA	1,475.0
	Diquat	1.00 QT	1,355.0
	Paraquat (Gramoxone)	.50 PT	60.0
		1.00 QT	387.0
		2.50 QT	320.0
		2.00 QT	120.0
Dodder	Treflan	20.00 LB	3,384.0
Loopers	Parathion	.50 PT	130.0
Lygus	Dibrom	1.00 PT	242.0
	Furadan	.75 PT	173.0
	Phosdrin 4	1.00 PT	837.0
		1.00 PT	154.0
	Spur	8.30 OZ	88.0
		8.60 OZ	73.0
		8.00 OZ	345.0
		9.60 OZ	1,243.0
		9.00 OZ	510.0
	Supracide	1.00 QT	500.0
Lygus/2-Spotted Mites Mites	Thiodan	1.30 PT	823.0
	Thiodan	1.00 QT	400.0
	Comite	1.50 PT	444.0
		1.00 QT	1,194.0
		1.00 QT	1,917.0
	Stirrup M	2.00 OZ	100.0
	Sulfur DF	3.00 LB	444.0
	Sulfur Liquid	1.00 QT	100.0
	Thiolux (Supfur)	1.00 LB	120.0
	Metasystox-R	1.00 QT	32.0
Residue Trial Weeds	Balan	2.00 LB	60.0
	Butoxone Ester	1.50 QT	958.0
	Treflan	25.00 LB	96.0
	Furadan	1.00 QT	668.0
Weevils	Methyl Parathion	.50 PT	40.0
		.75 PT	150.0
	Supracide	1.00 QT	320.0

BARLEY

(5,337 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Aphids	Dimethoate 4	1.00 PT	15.0
	Malathion	1.00 QT	20.0
	Parathion	.50 PT	897.0
		6.00 OZ	38.0
Broadleaf Weeds	2,4-D	.50 PT	1,013.0

BARLEY, cont.

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Broadleaf Weeds	Alkanolamine	1.50 PT	29.0
		1.00 QT	60.0
Weeds	2,4-D (Weedar 64)	1.50 PT	520.0
		1.00 QT	2,273.0
	Butoxone Ester	1.50 QT	151.0
		2.50 PT	95.0
	Vertac Formula 40	1.00 PT	147.0
Wild Oats	Carbyne 2EC	1.50 PT	79.0

BRUSH

(7,340 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Mosquitos	Baytex	3.20 OZ	1,500.0
	Cythion	3.00 OZ	5,840.0

CORN

(613 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Broadleaf Weeds	2,4-D	.50 PT	162.0
	2,4-D Amine	1.00 PT	125.0
Mites	Dimethoate	.75 PT	40.0
Weeds	2,4-D Ester	1.50 PT	208.0
	Aatrex	2.00 LB	78.0

CRESTED WHEAT

(340 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	2,4-D (Weedar 64)	1.00 QT	340.0

FALLOW

(195 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Broadleaf Weeds	2,4-D	1.00 QT	40.0
		1.50 PT	35.0
Grasshoppers	Methyl Parathion	.75 PT	80.0
Weeds	Garlon	1.00 QT	40.0

GARLIC

(775 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Fusilade	1.50 PT	25.0
	Goal	1.00 PT	55.0

GARLIC, cont.

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Goal	1.00 QT	223.0
	Paraquat (Gramoxone)	1.50 QT	128.0
Winter Weeds	Paraquat (Gramoxone)	2.00 QT	344.0

GRAIN

(1,041 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Aphids	Dimethoate	.75 PT	78.0
	Methyl Parathion	1.00 PT	187.0
Broadleaf Weeds	2,4-D	.50 PT	59.0
		.50 PT	262.0
		.50 PT	146.0
	2,4-D Amine	1.50 PT	290.0
	2,4-DB Ester	1.00 PT	19.0

MINT

(1,020 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Aphids	Phosdrin 4	1.00 PT	50.0
Mites	Comite	1.50 PT	125.0
		1.00 QT	428.0
	Lannate L	1.00 QT	40.0
Spider-Mites	Dicofol	1.50 QT	45.0
Weeds	Sinbar	1.15 LB	104.0
		1.20 LB	118.0
		1.50 LB	80.0
		1.00 LB	30.0

NON-CROP

(20,280 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Mosquitos	Baytex	1.30 OZ	2,550.0
	Malathion	5.00 OZ	13,800.0
		5.00 OZ	2,100.0
Sagebrush	Butyl 6 Ester	2.00 QT	1,830.0

OATS

(191 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Broadleaf Weeds	2,4-D	.50 PT	191.0

	<u>ONION SEED</u>		
	(10 TOTAL ACRES TREATED)		
Weeds	Goal	1.00 QT	10.0

ONIONS
(1,151 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Damping Off	Ridomil 2E	1.00 PT	80.0
Mites/Thrips	Guthion	1.00 LB	22.0
Thrips	Cymbush	3.47 OZ	400.0
		3.80 OZ	92.0
	Malathion	1.00 QT	20.0
	Methyl Parathion	1.00 PT	245.0
Weeds	Paraquat (Gramoxone)	1.50 QT	17.0
		2.00 QT	275.0

PASTURE
(73,383 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Broadlead Weeds	Butoxone Ester	1.50 QT	20.0
Mosquito	Baytex	3.20 OZ	900.0
	Cythion	3.00 OZ	8,410.0
	Dibrom	.75 OZ	24,770.0
		.80 OZ	12,640.0
		1.00 OZ	8,960.0
	Malathion	3.00 OZ	700.0
	Malathion ULV	3.00 OZ	6,850.0
		3.00 OZ	8,000.0
	Baygon	1.60 OZ	963.0
Weeds	Alkanolamine	2.50 PT	1,120.0
Wild Iris	2,4-D Ester	3.00 QT	50.0

PEPPERMINT
(725 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Loopers	Orthene	1.33 LB	325.0
Mites	Comite	2.25 PT	200.0
Mites	Stirrup M	2.00 OZ	200.0

POTATOES
(35,116 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Aphids	Asana	2.00 OZ	2,742.0
	Endosulfan (Thiosulfan)	1.00 QT	1,847.0
Beetles		1.00 QT	20.0
Blight	Maneb	1.20 QT	9,095.0

POTATOES, cont.

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Blight	Maneb plus Zinc F4	1.20 QT	1,847.0
	Manex	1.50 QT	352.0
		1.00 QT	260.0
Defoliation	D. quat	1.00 QT	190.0
Insects	Mocap	6.00 LB	320.0
Loopers	Parathion	.50 PT	256.0
Loopers	Parathion	6.00 OZ	65.0
Loopers/Thrips	Monitor	1.00 QT	1,291.0
Sprouts	Sprout Stop	1.00 GA	381.0
Vines	Diquat	1.50 PT	2,620.0
		1.70 PT	272.0
Weeds	Eptam 7E	1.00 QT	20.0
		3.50 PT	2,040.0
		4.50 PT	320.0
	Lexone	1.00 PT	3,917.0
	Prowl	1.00 QT	5,179.0
	Sencor	1.00 PT	1,432.0
		.66 LB	130.0
		.50 LB	370.0
		.75 LB	150.0

RANGELAND
(795 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Aphids/Lygus	Sevin 5 (Pellets)	30.00 LB	9.0
Grasshoppers	Furadan	1.00 PT	80.0
	Methyl Parathion	.50 PT	206.0
		.75 PT	184.0
	Parathion	6.00 OZ	316.0

SUDAN GRASS
(92 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Broadleaf Weeds	2,4-D	.50 PT	45.0
		.50 PT	47.0

WASTE WATER
(4,720 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Mosquitos	Malathion	1.50 PT	720.0
		.50 PT	800.0
		.50 PT	800.0
		.50 PT	800.0
	Parathion	1.60 OZ	800.0
	Parathion 8E	1.60 OZ	800.0

WHEAT
(6,308 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Aphids	Dimethoate	1.00 PT	47.0
		1.00 PT	60.0
	Disyston	.50 PT	40.0
		.75 PT	94.0
	Methyl Parathion	.50 PT	204.0
		.75 PT	243.0
	Parathion	.50 PT	1,441.0
	Systox	.33 PT	20.0
		.33 PT	288.0
	Tilt	4.00 PT	535.0
Broadleaf Weeds	2,4-D	.50 PT	18.0
	2,4-D Amine	1.50 QT	152.0
		1.33 PT	12.0
	Alkanolamine	1.50 PT	125.0
Grasshoppers	Malathion	1.00 QT	60.0
	Parathion	6.00 OZ	85.0
Weeds	2,4-D (Weeder 64)	1.00 QT	2,884.0

WINTER WHEAT
(165 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Broadleaf Weeds	2,4-D Ester	1.5 PT	165.0



PESTICIDE USE (Ground Application), BY COUNTIES, 1988

CLARK

**SUB-STATIONS
(292 TOTAL ACRES TREATED)**

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Diuron (Karmex)	8.00 LB	16.0
	Krovar	6.00 LB	130.0
	Oust	20.00 OZ	146.0

DOUGLAS

**ALFALFA HAY
(809 TOTAL ACRES TREATED)**

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Hexazinone (Velpar)	1.50 QT	294.0
		1.00 QT	515.0

ELKO

**SUB-STATION
(8 TOTAL ACRES TREATED)**

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Diuron (Karmex)	6.00 LB	2.0
		8.00 LB	2.0
	Oust	20.00 OZ	4.0

ELKO to PE

**RIGHT-OF-WAY
(0 KNOWN ACRES TREATED)**

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Arsenal	18.75 GA**	

ESMERALDA

**ALFALFA HAY
(520 TOTAL ACRES TREATED)**

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Hexazinone (Velpar)	1.50 QT	300.0
		1.00 QT	220.0

HUMBOLDTALFALFA HAY
(4,892 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	2,4-D LV4	1.50 QT	201.0
	Hexazinone (Velpar)	1.50 QT	2,808.0
		1.00 QT	1,228.0
	Metribuzin (Sencor)	1.25 PT	30.0
		1.00 PT	625.0

BARLEY
(110 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Broadleaf Weeds	2,4-D Amine	1.00 QT	110.0

MINT
(50 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Terbacil (Sinbar)	1.00 LB	50.0

WHEAT
(40 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	2,4-D Amine	1.00 QT	40.0

LYONALFALFA HAY
(1,058 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Hexazinone (Velpar)	1.50 QT	510.0
		1.00 QT	300.0
		2.50 QT	120.0
	Paraquat (Gramoxone)	2.00 QT	128.0

FALLOW
(133 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Broadleaf Weeds	2,4-D Amine	2.50 PT	70.0
Weeds	Round-Up	1.50 GA	50.0
		4.50 QT	13.0

ONIONS
(381.63 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Nematodes	PIC Chlor	16,800.00 LB	
		210.00 LB	381.6

WINTER WHEAT
(30 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	2,4-D Ester	1.50 PT	30.0

ALFALFA HAY
(230 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Metribuzin (Sencor)	1.00 PT	160.0
	Paraquat (Gramoxone)	2.40 PT	70.0

UNKNOWN

POTATOES-IN-STORAGE
(277,500 CW* TOTAL TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/CW*</u>	<u>CW*</u>
Sprouts	Sprout-Nip	1.00 GA/4,200	277,500

RIGHT-OF-WAY
(1,845 KNOWN ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	2,4-D	269.00 GA**	
	2,4-D (Dow Formula 40)	6.00 QT**	
	2,4-D Amine	2.00 QT	565.0
	2,4-D LV4	3.00 QT	70.0
	Atratul 4 LC	1,137.20 GA**	
	Atratul 90	6.00 LB	565.0
	Atrazine	25.20 GA**	
		216.00 GA**	
	Direx	3,062.50 GA	
	Diuron	94.50 GA**	
	Diuron (Karmex)	5,386.00 LB**	
		6.00 LB	565.0
	Garlon	35.00 GA + 2.00 QT	
	Mont. Crop Oil	134.80 GA**	
	Oust	266.40 LB	
		4.00 LB + 32.00 OZ	
	Round-Up	2.00 QT	80.0
		521.00 GA**	
	Simazine (Princep)	1,867.30 GA**	

RIGHT-OF-WAY, cond.

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/CW*</u>	<u>CW*</u>
Weeds	Simizine (Princep)	50.00 LB**	
	Simizine	148.50 GA**	
	Telar	7.00 LB + 30.00 OZ	

SUB-ASPHALT
(0 KNOWN ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Diuron (Karmex)	245.00 LB**	

WASHOE

ALFALFA HAY
(946 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Hexazinone (Velpar)	1.50 QT	946.0

WHITE PINE

SUB-STATIONS
(4 TOTAL ACRES TREATED)

<u>PEST OR USE</u>	<u>CHEMICAL</u>	<u>RATE/ACRE</u>	<u>ACRES</u>
Weeds	Oust	1.00 OZ	4.0

* Carat Weight for potatoes = 1.67 bushels or 2.5 cu. ft.

** Railroad application.

